

Amendments to the Claims:

Claim 1 (currently amended): A method for forming a large diameter, subterranean soil cement column in material located in a subterranean earth situs utilizing a large diameter soil processing tool with a pilot in conjunction with a preformed sacrificial guide, comprising the steps:

forming a sacrificial guide by advancing and rotating a small diameter soil processing tool into said situs to break said material into pieces, said small diameter soil processing tool forming a hole as it advances;

while advancing said small diameter soil processing tool into said situs, introducing a cement slurry into said pieces from said tool at a velocity sufficient to hydraulically divide said pieces into particles and mix said cement slurry with said particles to form a soil-cement slurry, said soil-cement slurry containing cementitious solids, soil particles and free water;

withdrawing said small diameter soil processing tool from said situs;

while withdrawing said small diameter soil processing tool, rotating said tool at a rotational speed to exert a centrifugal force by said tool upon said soil-cement slurry in excess of two G's, whereby said centrifugal force causes the solids of said soil-cement slurry to migrate further from the center of said hole than said free water to form a first cylindrical region at the outer edges of said hole and a second cylindrical region at the center of said hole, said first region having a smaller proportion of free water than said second region;

allowing said mixture in said hole to set up;

advancing said pilot of ~~soil~~ said large diameter soil processing tool into said second region of said sacrificial guide;

driving said tool downwardly, and forming a large diameter soil-cement column by physically and hydraulically dividing said material into particles and mixing cement slurry with said particles; and

1 breaking said sacrificial guide with said large diameter soil processing tool,
2 whereby said sacrificial guide fragments are mixed into and become part of said soil-cement
3 column formed by said large diameter soil processing tool.

4 Claim 2 (original): The method of claim 1 comprising the further step:
5 drilling out said second region of said sacrificial guide before advancing said pilot
6 into said second region.

7 Claim 3 (original): The method of claim 1 wherein said pilot is tipped with an auger and
8 said auger is adapted to drill out said second region of said sacrificial guide as said tool is
9 advanced.

10 Claims 4-12 (canceled)